

Listing of claims:

1-6. Cancelled

7. (Currently amended) A method for matching partner-seeking individuals in a dating service, comprising

determining the MHC Class I and Class II genetic profiles of a plurality of said individuals, thereby providing a plurality of profiled individuals;

performing a plurality of comparisons between said profiles for a plurality of said profiled individuals, wherein a greater level of heterozygosity between a pair of profiled individuals is indicative of a greater level of compatibility; ~~and~~

matching said profiled individuals based on said level of heterozygosity, thereby providing profile-matched individuals; and

partnering at least one pair of said profile-matched individuals.

8. (Currently amended) The method of claim 7 ~~4~~, wherein said comparisons are performed for all of said individuals.

9. (Currently amended) The method of claim 7 ~~4~~, wherein said profiles include the HLA-A and HLA-B loci in the Class I region, and the DRB1 locus in the Class II region.

10. (Currently amended) The method of claim 7 ~~4~~, wherein compatibility of said individuals is also determined using other processes.

11. (Previously presented) The method of claim 10, wherein said other processes comprise compatibility determination based on one or more of aesthetic, psychological, geographic, professional, behavioral, preferred hobbies, preferred activities, and intelligence characteristics.

12. (Previously presented) The method of claim 10, wherein said matching based on levels of heterozygosity is used to confirm that partners matched with said other processes do not have natural scents offensive to each other.

13. (Previously presented) The method of claim 6, wherein said determining comprises obtaining sample genetic material from said plurality of individuals and typing said genetic material to determine said individuals' MHC Class I and Class II profiles.